Deoign Movie Ticket Bookery Appelication
Important follower aprestion: concurrency Management. How to make sure some seat is not assigned to some pe
Design + concurrency + Code
STEP-I Rough Flow to gather scaquiments and got i'downly Objects
USER Location Movie 2 Theore 1. (114y) Movie 2 Show 8-11, 12-3, 4-2
Movie 3 Mour 7-10, 11-2 (3-6)
Budzing Sieatt Selection Goding
TEP I Objects:
Ouser & City & Source & Seated - Movie & Theatre & Shows & Booking Of Payment
Lethere are the standard objects which we can see as
Worly Top to down Approach for designify here there



to manage concurrency? USER 1 USE R2 1 301 Two person connot schot same seat 2 USER1 : If usear I has selected seat 1 to men it should be locked for 10 minutes Even if the payment fails, it should be locked. Concurrency handed in two ways Optimistic Lock Pessimistic Lock It allows multiple users to read. It will lock when heading. resign 1 VI -> Read Let's say users is heading UZ > Read - Update version 1 resource [1]. It will lock check RI resource. User 2 will Lock not be able to great it update resource version update Users > Read > Whate - Lock Roberse release toch SER. User 2 - Read so before when I looking of appliating it will read of the aurent version of resource is ame when it was read. How to lack resource for some time? Using Amazon Redit : In this we can set enjoy time for lock.

In case of look my show example -We will not use kessimistic locks as multiple vous be able to see available seats at same stime. optimistic Lock -> user 2 Seat 20 Uses1 read (VI) smc() was 1 waside sync black usur version of festures -> VI == VI & up date Book bonge version vi sent 30 Now user comes. It will to sheer, it has version VI, but User version is V2;

Error message & retry.

11 + 12.

He will use Arrozon Redies to acquire lock for 10 minutes. As soon as well used locks seat 30, it to will be locked for 30 minutes even if payment fails.